



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	October 7, 2020	EPA Reg No./File Symbol	42750-370	Page 1 of 10	
Applicant's/Registrant's Name & Address		Product			
Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021		Bifenthrin Technical			
Ingredient Bifenthrin CAS # 82657-04-3					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.1550	Product Identity and Composition	50832402 51313901	Albaugh	OWN	
830.1600	Description of Materials Used to Produce the Product	50832402 51313901	Albaugh	OWN	
830.1620	Description of Production Process	50832402 51313901	Albaugh	OWN	
830.1650	Description of Formulation Process				Waiver ¹
830.1670	Description of Formation of Impurities	50832402 51313901	Albaugh	OWN	
830.1700	Preliminary Analysis	50832404 51313902	Albaugh	OWN	
830.1750	Certified Limits	50832402 51313901	Albaugh	OWN	
830.1800	Enforcement Analytical Method	50832404 51313902	Albaugh	OWN	
830.6302	Color	50832403	Albaugh	OWN	
830.6303	Physical State	50832403	Albaugh	OWN	
830.6304	Odor	50832403	Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	45654403 46415303 50484809 50737203		PAY	

Signature		Name and Title	Rachel L Hardie, Agent for Albaugh LLC	Date	Oct 7, 2020
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Ingredient Bifenthrin CAS # 82657-04-3					
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830.6314	Oxidation/Reduction: Chemical Incompatibility	51194501	Albaugh	OWN	
830.6315	Flammability				Waiver ²
830.6316	Explosibility				Waiver ³
830.6317	Storage Stability	51194501	Albaugh	OWN	
830.6319	Miscibility				Waiver ⁴
830.6320	Corrosion Characteristics	46414201 46508201 49588811 50304401 50637304		PAY	
830.6321	Dielectric Breakdown Voltage				Waiver ⁵
830.7000	pH	50832403	Albaugh	OWN	
830.7050	UV/Visible Absorption			LIT	
830.7100	Viscosity				Waiver ⁶
830.7200	Melting Point/Melting Range	50832403	Albaugh	OWN	
830.7220	Boiling Point/Boiling Range				Waiver ⁷
830.7300	Density/Relative Density/Bulk Density	50832403	Albaugh	OWN	
830.7370	Dissociation Constants in Water			LIT	Waiver ⁸

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Ingredient Bifenthrin CAS # 82657-04-3					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Waiver ⁹
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Waiver ⁹
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography			LIT	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method			LIT	
830.7860	Water Solubility, Generator Column Method				Waiver ¹⁰
830.7950	Vapor Pressure			LIT	
870.1100	Acute Oral Toxicity – Rat	CITE ALL		PAY	
870.1200	Acute Dermal Toxicity - Rat	CITE ALL		PAY	
870.1300	Acute Inhalation Toxicity - Rat	CITE ALL		PAY	
870.2400	Primary Eye Irritation - Rabbit	CITE ALL		PAY	
870.2500	Primary Dermal Irritation	CITE ALL		PAY	
870.2600	Dermal Sensitization	CITE ALL		PAY	
810.2100	Sterilants, Sporicides, and Decontaminants	CITE ALL		PAY	

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Ingredient Bifenthrin CAS # 82657-04-3					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

810.2200	Disinfectants for Use on Environmental Surfaces	CITE ALL		PAY	
810.2300	Sanitizers for Use on Hard Surfaces	CITE ALL		PAY	
810.2400	Disinfectants and Sanitizer for Use of Fabrics and Textiles	CITE ALL		PAY	
810.2500	Air Sanitizers	CITE ALL		PAY	
810.2600	Disinfectants and Sanitizer for Use in Water	CITE ALL		PAY	
810.2700	Products with Prion-Related Claims	CITE ALL		PAY	
810.3100	Soil Treatments for Imported Fire Ants	CITE ALL		PAY	
810.3200	Livestock, Poultry, Fur- and Wool-Bearing Animal Treatment	CITE ALL		PAY	
810.3300	Treatments to Control Pests of Humans and Pets	CITE ALL		PAY	
810.3400	Mosquito, Black Fly, and biting Midge (Sand Fly) Treatments	CITE ALL		PAY	
810.3500	Premises Treatments	CITE ALL		PAY	
810.3600	Structural Treatments	CITE ALL		PAY	
810.3700	Insect Repellents to be Applied to Human Skin	CITE ALL		PAY	
810.3800	Methods for Efficacy Testing of Termite Baits	CITE ALL		PAY	
810.3900	Laboratory Product Performance Testing Methods for Bed Bug Pesticide Products	CITE ALL		PAY	

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Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021		Bifenthrin Technical			
Ingredient Bifenthrin CAS # 82657-04-3					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for Bifenthrin:					
Bifenthrin Generic Data	Cite-All		Syngenta (100)	PAY	
Bifenthrin Generic Data	Cite-All		Nufarm Americas (228)	PAY	
Bifenthrin Generic Data	Cite-All		Scotts (239)	PAY	
Bifenthrin Generic Data	Cite-All		Bayer (264)	PAY	
Bifenthrin Generic Data	Cite-All		FMC (279)	PAY	
Bifenthrin Generic Data	Cite-All		Bayer Environmental (432)	PAY	
Bifenthrin Generic Data	Cite-All		BASF (499)	PAY	
Bifenthrin Generic Data	Cite-All		Scotts (538)	PAY	
Bifenthrin Generic Data	Cite-All		Lebanon Seaboard (961)	PAY	
Bifenthrin Generic Data	Cite-All		McLaughlin Gormley King (1021)	PAY	
Bifenthrin Generic Data	Cite-All		Fuller (1327)	PAY	
Bifenthrin Generic Data	Cite-All		Winfield (1381)	PAY	
Bifenthrin Generic Data	Cite-All		Sergeants (2517)	PAY	
Bifenthrin Generic Data	Cite-All		Aceto (2749)	PAY	

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Ingredient Bifenthrin CAS # 82657-04-3					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Bifenthrin Generic Data	Cite-All		SC Johnson (4822)	PAY	
Bifenthrin Generic Data	Cite-All		AMVAC (5481)	PAY	
Bifenthrin Generic Data	Cite-All		Helena (5905)	PAY	
Bifenthrin Generic Data	Cite-All		Southern States (7138)	PAY	
Bifenthrin Generic Data	Cite-All		Nippon (8033)	PAY	
Bifenthrin Generic Data	Cite-All		Andersons (9198)	PAY	
Bifenthrin Generic Data	Cite-All		Sunniland (9404)	PAY	
Bifenthrin Generic Data	Cite-All		Chemsico (9688)	PAY	
Bifenthrin Generic Data	Cite-All		Lesco (10404)	PAY	
Bifenthrin Generic Data	Cite-All		Adama Makhteshim (11678)	PAY	
Bifenthrin Generic Data	Cite-All		Loveland (34704)	PAY	
Bifenthrin Generic Data	Cite-All		Howard (35512)	PAY	
Bifenthrin Generic Data	Cite-All		BASF Sparks (51036)	PAY	
Bifenthrin Generic Data	Cite-All		Control Solutions (53883)	PAY	
Bifenthrin Generic Data	Cite-All		Arizona Chemical (55431)	PAY	
Bifenthrin Generic Data	Cite-All		Valent (59639)	PAY	

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Ingredient Bifenthrin CAS # 82657-04-3					
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Bifenthrin Generic Data	Cite-All		Dow (62719)	PAY	
Bifenthrin Generic Data	Cite-All		MANA Adama (66222)	PAY	
Bifenthrin Generic Data	Cite-All		Pyrethroid Working (64977)	PAY	
Bifenthrin Generic Data	Cite-All		Adama Agan (66222)		
Bifenthrin Generic Data	Cite-All		Arysta (66330)	PAY	
Bifenthrin Generic Data	Cite-All		SDTF (66607)	PAY	
Bifenthrin Generic Data	Cite-All		Bengal (68543)	PAY	
Bifenthrin Generic Data	Cite-All		UPL NA (70506)	PAY	
Bifenthrin Generic Data	Cite-All		ORETF (71754)	PAY	
Bifenthrin Generic Data	Cite-All		ARTF (71755)	PAY	
Bifenthrin Generic Data	Cite-All		Sapstain (73154)	PAY	
Bifenthrin Generic Data	Cite-All		NDETf (73223)	PAY	
Bifenthrin Generic Data	Cite-All		Nisso TM (73545)	PAY	
Bifenthrin Generic Data	Cite-All		ES OPCO USA (73748)	PAY	
Bifenthrin Generic Data	Cite-All		FESTF (73989)	PAY	
Bifenthrin Generic Data	Cite-All		REJV (74888)	PAY	

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Ingredient Bifenthrin CAS # 82657-04-3					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Bifenthrin Generic Data	Cite-All		Atex Inc. (75191)	PAY	
Bifenthrin Generic Data	Cite-All		AHETF (75234)	PAY	
Bifenthrin Generic Data	Cite-All		Osмосе Utilities (75341)	PAY	
Bifenthrin Generic Data	Cite-All		Ensysrex II (81824)	PAY	
Bifenthrin Generic Data	Cite-All		Sharda Cropchem (82633)	PAY	
Bifenthrin Generic Data	Cite-All		Winfield (83222)	PAY	
Bifenthrin Generic Data	Cite-All		Tacoma (83520)	PAY	
Bifenthrin Generic Data	Cite-All		Sharda USA (83529)	PAY	
Bifenthrin Generic Data	Cite-All		Ensysrex IV (83923)	PAY	
Bifenthrin Generic Data	Cite-All		Ragan and Massey (84009)	PAY	
Bifenthrin Generic Data	Cite-All		Wet & Forget USA (84115)	PAY	
Bifenthrin Generic Data	Cite-All		GESTF (84653)	PAY	
Bifenthrin Generic Data	Cite-All		Redeagle (85678)	PAY	
Bifenthrin Generic Data	Cite-All		Kaizen (86363)	PAY	
Bifenthrin Generic Data	Cite-All		Bifenthrin TFSC/JV (87563)	PAY	
Bifenthrin Generic Data	Cite-All		Solutions Pest & Lawn (88746)	PAY	

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Ingredient Bifenthrin CAS # 82657-04-3					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Bifenthrin Generic Data	Cite-All		Vive (89118)	PAY	
Bifenthrin Generic Data	Cite-All		Liberty (89168)	PAY	
Bifenthrin Generic Data	Cite-All		Prime Source (89442)	PAY	
Bifenthrin Generic Data	Cite-All		CAPHRA (89813)	PAY	
Bifenthrin Generic Data	Cite-All		Atticus (91234)	PAY	
Bifenthrin Generic Data	Cite-All		Genmerica (91640)	PAY	
Bifenthrin Generic Data	Cite-All		Tevra (92413)	PAY	
Bifenthrin Generic Data	Cite-All		Generic Crop Science (94730)	PAY	

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Footnote 1

- 830.1650 Formulation Process. Albaugh requests a waiver for this data requirement. Bifenthrin Technical is not deliberately formulated. Refer to 830.1620 Production Process.

Footnote 2

- 830.6315 Flammability. Albaugh requests a waiver for these data requirements. Bifenthrin Technical contains no components that are known to be flammable.

Footnote 3

- 830.6316 Explodability. Albaugh requests a waiver for these data requirements. Bifenthrin Technical contains no components that are known to be explosive.

Footnote 4

- 830.6319 Miscibility. Albaugh requests a waiver from this guideline. Bifenthrin Technical is not intended to be diluted with oil or other non-polar solvents.

Footnote 5

- 830.6321 Dielectric Breakdown. Albaugh requests a waiver from this guideline. Bifenthrin Technical is not intended to be used around electrical equipment.

Footnote 6

- 830.7100 Viscosity. Albaugh requests a waiver from this guideline. Bifenthrin Technical is a solid.

Footnote 7

- 830.7220 Boiling Point. Albaugh requests a waiver for this data requirement. Bifenthrin Technical is not a liquid.

Footnote 8

- 830.7370 Dissociation constant. Albaugh requests a waiver for this data requirement. Bifenthrin Technical does not dissociate.

Footnote 9

- 830.7550 Partition Coefficient, Shake Flask Method
- 830.7560 Partition Coefficient, Generator Column Method

Albaugh requests a waiver for these data requirements. Albaugh elected to use Guideline 830.7570 to satisfy this data requirement.

Footnote 10

- 830.7860 Water Solubility. Albaugh requests a waiver for this data requirement. Albaugh elected to use Guideline 830.7840 to satisfy this data requirement.